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Bparg 1	MSAGPGCEPCTKRPRWDAATSPPAASDARSFPGRRRLDSKDAVPQFRVPPSSSGCALGRAGQERGSATSL
Eparg 1	MNAGPGCEPCTKATRWGAATTS.PAASDARSFPGRRRLDPKDAEVQFRVPPSSPACVPGQAGQERGSATSL
Mparg 1	MSAGPGWEPCTKA.RWGAAGTSAPIASDARSFPGRRRLDPKDAVPQFRVPPSSPACVSGRAGPERGSATHF
Dparg 1	-----
Ceparg1	-----
Bparg 74	VFKQKTITSWMDTKGIKTVESKSLSEXEHHTREESMMSSVQKDFYQHHEKLEHVSQLGFDKSPVEKGTQY
Eparg 73	VFKQKTITSWMDTKGIKTVESKSLDSXEHHTREESMMSSVQKDFYQHHEKLVHVSQSLDKSLTEKSTQY
Mparg 73	VFKQKTITSWMDTKGIKTVESK...SXEHHHTREESMMSSVQKDFYPHKVEKLEHVPQLNLDKSPTEKSSQY
Dparg 1	-----
Ceparg1	-----
Bparg 218	LKQHQTAAAMCKWQHGHGPHSERLLESEPPAVTLVPEQFSAHVQSSPKDDHSDTNSEESRDNQQLTHVKL..
Eparg 217	LKQHQTAAAMCKWQHGHGKHTEQLLESEPQTVTLVPEQFSAHIDRSSPQNDHSDTDSEHRDNQQLTTVKL..
Mparg 214	LKQQQTASVCKWQHGHGKHAELASEPPAGTPLPKQLSHAHIGQSPETDDHSDTDHEEDRDNQQLTPIKL..
Dparg 1	-----
Ceparg1	----- MSKKFIELGDPVTQDEKDYEDYVGVGFAEQVP
Bparg 298	.ANAKQTMEDQGREARSHQKCGKACHPAEACAGCQEQEETDVVSESP LSDTGS EDVGTGLKHAHRLHRQESSL
Eparg 297	.ANAKQTTEDEHAREAKSHQKCSKCHPGEDCASCQQDEIDVVPKSP LSDVGS EDVGTGSKHDHKLIRQESCL
Mparg 291	.ANTKPTVGDGQ...ARSHCKCSGRQSKEDCTGCQQEQEEVDVLPESPLSDVGAEDIGTGPKHDHKLITGQESSL
Dparg 1	-----
Ceparg 33	TMKRRKLTEEGNTTESKEDPEEPKSRDVFVSSQSSDESQEDSAENPEIAKEVSENCENLTETLKISNIESLDN
Bparg 396	GHSPPFKESEPEPMDVDNSKHSCQDSEADEETSPGFDE.QEDSSSAQTANKPSRFQPREADTELKRSSAK
Eparg 395	GHSPPFKESEPEPMDVDNSKHSCQDSEADEETSPGFDE.QEDGSSSQTANKPSRFQARDADIEFRKRYSTK
Mparg 387	GDSPPFKESEPEPMDVDNSKHSCQDSEADEETSPVFDE.QEDRSS.QTANKLSSCQAREADGDLRKRYLTK
Dparg 1	MQEFRSHLIFPIFQ.KVIQS.TANRRR.ASASVL.....TNRLGK...ALCLNCARMSKSPDGGGISEIE...
Ceparg106	VTERSEHTLDN...HKSTEPHEE.DVNNKSHIDVAINSDEDDDELVL EENHKEMRDGEVQQLS..QDLFADD

FIG. 16A

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Bparg 468 GGEIRLHFQFEGGESRAGMN.DVNAKRPGSTSSLNVECRNSKQEGRKDSKITDEFMRVPAEDKRKEQCEMKH
 Eparg 467 GGEVRLHFQFEGGESRTGMN.DLNAKLPGNISSLNVECRNSKQEGKKDSKITDELMRLPKAEDRRRKEQWETKH
 Mparg 354 GGEVRLHFQFE.GEMNAGTS.DLNAKPSGNSSSLNVECRSSKQEGKRDSKITDEFMRISKSEDRRKEQCEVRH
 Dparg 59 .TEEE.PENLANSL..DDSWRGVSMEAIHRNRQPFLENLPPVTAGNLHRVMIQLPIRET..PPR.PIKSPG
 Ceparg 172 QELIEIPGIMKDTTQLDITDSEVETAQKMEMIEETEADSTFVGEDSKATKTVRTSSSF...LSTVSTCEAP

 Bparg 540 QRTERKIPKYPPHLSPDKKWLGTPIEEM..RRMPCGIRLPLRPSANHTVTIRVDLLRIGEVPK.PFPPTHF
 Eparg 539 QRTERKIPKYVPPELSPPDKKWLGTPIEEM..RRMPCGIRLPLRPSANHTVTIRVDLLRAGEVPK.PFPPTHY
 Mparg 425 QRTERKIPKYIPPMLPPEKKWLGTPIEEM..RKMPRCGIHLPSLRPSASHTVTIRVDLLRAGEVPK.PFPPTHY
 Dparg 125 X..WDSEEVRLPCAPESKYPRENPDGS.TTIDFRWEMIERALLQPIKTCEELQAAIISIHTTIRDQWEFFRALE
 Ceparg 242 AKGRARMIQKELEKEVIAFTEGNLT....LQPDLNKVDPDRNIRI.CTIPNFPASQG...KLRED.NRIG..

 Bparg 610 KDLWDNKEVXMPXPCSEQNLYPVEDENGE.RAAGSRWELIQTALLHRLTRPQNLKDAILKINVAISKKWDFTALI
 Eparg 609 KDLWDNKEVXMPXPCSEQNLYPVEDENGE.RTAGSRWELIQTALLHKFTRPQNLKDAILKINVAISKKWDFTALI
 Mparg 495 KDLWDNKEVXMPXPCSEQNLYPVEDENGE.RTAGSRWELIQTALLHKFTRPQNLKDAILKINVAISKKWDFTALV
 Dparg 196 QLLDEELDESETRVFFQSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFCTFFPRRNa
 Ceparg 367 PKIVLPQRWRE.FDSRGR..RDSYFYFKRKLDGILKCIKTGYFMFVGLLH.....HMWE..FDPDITIK

 Bparg 682 DFWDXVLEEAQAHLYSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFCTFFPRRNa
 Eparg 681 DFWDXVLEEAQAHLYSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFCTFFPRRNa
 Mparg 567 DFWDXVLEEAQAHLYSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFCTFFPRRNa
 Dparg 269 .KMKSEISSYPDIHFNRLFEGRSSRKPEKLTLCIFRRV..TERDASNVP TGVTTFVRRSGLPEE.L.IDWS
 Ceparg 424 ...LPAL.EMYKEMSELVGREEVLEKFARVARIAKTAEDILPERIYRLVGDVE.SATLSHKQCAALVARMF

 Bparg 755 .KMKSEISSYPDIHFNRLFEGRSSRKPEKLTLCIFRRV..TEKK....PTGLVTFIRQS.L.ED.F.PEWE
 Eparg 754 .KMKSEISSYPDIHFNRLFEGRSSRKPEKLTLCIFRRV..TEKK....PTGLVTFIRQS.L.ED.F.PEWE
 Mparg 387 .KMKSEISSYPDIHFNRLFEGRSSRKPEKLTLCIFRRV..TEKK....PTGLVTFIRQS.L.ED.F.PEWE
 Dparg 337 QSAAPLGDVPLEVDAEGTIEDEGIGLLQVDFAHKYLGGVLGHCVCVQEEIRFVICPELLVGKLFTECLRPFEA
 Ceparg 491 FA.....RPDSPFS.....FCRILSSDKSICVEKLFIFTIF.....DKMSMDPPDGAVSF.RLTKMD

FIG. 16B

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Bparg 817	RCEKLL..TRLEVIYEGTIEGNQGMLQVDFAHRFVGGVTSAGLVQEEIRFLIHPELIVSRFLFIEVLHDHNEC
Eparg 816	RCEKPL..TRLEVIYEGTIEGNQGMLQVDFAHRFVGGVTSAGLVQEEIRFLIHPELIVSRFLFIEVLHDHNEC
Mparg 702	RCEKPL..TRLEVIYEGTIEGNRGRMLQVDFAHRFVGGVTSAGLVQEEIRFLIHPELIVSRFLFIEVLHDHNEC
Dparg 410	LVMLGAERYSNYTGIAGSFEWS.....GNFEDSTP.RDSSGRRQTAVDAIDALHFA.QSHH....QYREDL
Ceparg 543	KDIFNEEW.XDXXLRSLPEVEFFDEMLIEDTAL.CTQVDFAHHEHLGGVNLHGVSQEEIRFLMCPMMVGMILL
Bparg 888	LIITGTEQISEYTGIAETYRWA.....RSHEDRSE.RDDWQRRTTEIVAIDALHFR.RYLD....QFVPEKIR
Eparg 887	LIITGTEQISEYTGIAETYRWS.....RSHEDRSE.RDDCERRCTEIVAIDALHFR.RYLD....QFVPEKMR
Mparg 773	LIITGTEQISEYTGIAETYRWA.....RSHEDRSE.KDDWQRRTCTEIVAIDALHFR.RYLD....QFVPEKVR
Dparg 472	MERELHKAYIGFVHMMVTPP..PGVATGNWGCAGFGSDSYLKALLQLMVCAQLGRPLAYYTFGNVFEFRDDF
Ceparg 614	CEKMKQLEAISIVGAYVFSSYTGYGHTLKWAELQPNHSRQNTNEFRDRFGRRLRVETIAIDAILFKGSKLDCQT
Bparg 951	RELHKAYCGFLRPGVSSEHLSAVATGNWGCAGFGGDARLKALIQYLAAAVERDVVITFFGDSSELMRDIYSMH
Eparg 950	RELHKAYCGFLRPGVSSEHLSAVATGNWGCAGFGGDARLKALIQYLAAAVERDVVITFFGDSSELMRDIYSMH
Mparg 835	RELHKAYCGFLRPGVPSEHLSAVATGNWGCAGFGGDARLKALIQYLAAAVERDVVITFFGDSSELMRDIYSMH
Dparg 543	HEMWLLFRNDGTTVQQ.LWS.IILRSYRLIKEKSSKEPRENKASKKKLYDFI..KEELKKVRDVPGEAS
Ceparg 687	EQLNKANIIREMKKASIGFMSQGPKFTHIP.IVTGWGCGAENGDKPLKFI IQVIAAGVADRPLHFCFSFGEPE
Bparg 1021	TFLTERKLTVGE.VYKLLRLRYNEECRNCSTPGP.....DIKLYPFIYHAVESCTQTTNPGQRTGA-----
Eparg 1020	IFLTERKLTVDG.VYKLLRLRYNEECRNCSTPGP.....DIKLYPFIYHAVESCAETADHSGQRTGT-----
Mparg 907	TFLTERKLDVGK.VYKLLRLRYNEECRNCSTPGP.....DIKLYPFIYHAVESSAETDMPGQKAGT-----
Dparg 611	AEAGSSRVAGLGEKSETSAKSSPELNKQPARPQITITQQSTDLLPAQLSQDNSNSSEDQALLMLSDDEEA
Ceparg 759	LAAXCKKIIERMKQKDVTLGKSCFSIFS-----
Bparg 1087	-----
Eparg 1086	-----
Mparg 969	-----
Dparg 684	NAMMEAASLEAKSSVEISNSSTTSKTSSTATKSMGSGGRQLSLEMLDTHYEKGSASKRPRKSPNCSKAEG
Ceparg 787	-----

FIG. 16C

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Bparg 1	-----
Eparg 1	-----
Mparg 1	-----
Dparg 410	TDKDEKDDIVD
Ceparg 543	-----
Bparg 101	-----
Eparg 100	-----
Mparg 97	-----
Dparg 472	-----
Ceparg 614	-----
Bparg 201	-----
Eparg 200	-----
Mparg 197	-----
Dparg 543	-----
Ceparg 687	-----

FIG. 16D

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